

ENVIRONMENTAL MEMORANDUM

Red Chris Development Company Ltd.
200–580 Hornby Street, Vancouver, BC V6C 3B6

Date: November 15th, 2015

Distribution: Red Chris Monitoring Committee

Cory Koenig, Environmental Advisor, Mike Polywkan, Senior Environmental Technician,
From: Jason Nole and Chantel Quock, Environmental Technicians;
Jack Love, Environmental Superintendent

Re: Red Chris Monitoring Committee Environmental Report Nov 2-Nov 15, 2015

Weather:

Temperatures range from -12°C to -1°C. Light snowfall many nights, overcast most days, some sunny periods.

General Activities:

- Cleaning and scaling walls in Main and East mining Zones.
- Road access building around pit and dump areas.
- TIA-little activity, water and sediment samples taken from Cyclone Towers overflow and underflow sites.
- Continue sinking down to bench grade material.
- Drilling and blasting continue in the PIT.

Spills and Incidents:

- No Spills reported or observed.

Water Management:

- Updating water permits for camp water system, 4 other permits are being finalized with monthly sampling and good analysis results from each system. This has minimized the use and cost of plastic water bottles delivered to and from site substantially.
- Collected TIA water and sediment samples from 4 locations to analyze for leachable metals at 3 depths in the water column. These samples will be compared to the existing samples collected from the Barge.
- Monthly and biweekly water samples collected from all surface water (ground), quarterly (helicopter), bi-weekly, and drinking water areas.
- Water samples (5 in 30 days) completed for sites W69 and W3, and started for W4 as requested by MoE, 2nd set was collected November 4th and 3rd set collected on November 9th.
- North Reclaim Pond is still at a stagnant low level and has not discharged since March 30th.
- EOCP certification required for water treatment systems and operations by on site employees.

Waste Management:

- McCue Engineering has completed their initial startup and 6 month operations of the wastewater system, and left site on October 27th.
- EOCP certification obtained by 2 additional employees for wastewater systems.
- Adjustments to the aeration system blowers continue to be required since cooler weather arrived.
- Continuous re-circulating wastewater without discharging from the lagoons.
- GFL was on site Nov. 10th to collect used oil and arrangements for a weekly visit have been made.
- 22 ink cartridges, 12 fluorescent lightbulbs and pail of used batteries were shipped off site and recycled.

Wildlife Management:

- Wildlife tracks found throughout mine site and surrounding areas showing a large number of various wildlife still habituating the plateau and surrounding area. Moose, porcupines, wolves, hares, ptarmigan, fox and various birds are seen regularly.

Upcoming Activities:

- Geochemical sampling at the mill will be conducted on November 19th.
- November petroleum distribution system inspection completed.
- Drinking water permit follow up

Photos:

11km on the RC mine access road, a cow moose (keda) was found feeding on grasses.



East zone pit from the sky, crusher, conveyor line and mill in the top left.



Flying over whiterock canyon on route to water sample site W15 at the outflow of Kluea lake.



Outlet of Kluea Lake, W15 water sampling site has been changed by a beaver.



RSA-Rock Storage Area from the air, facing south towards South Todagin slope.



W10 samples about to be collected by Chantel Quock.



W10 water sampling site on Ealue Lake shoreline.



settling TIA samples to collect water and sediment for analysis for ultra-trace detection low level metals.



Cyclone sands from the dam towers on the North dam in the background. The transducer from the TIA has been removed for the winter.



During quarterly water sampling, staff caught this moose in Kluea lake feeding.



W8. water sample site needing adjustments prior to collecting the water sample.



Collecting water samples from site W79, only after cutting an access hole in the morning.



Food recyclable containers will soon be moved from the general waste area to the rear of the camp kitchen for cleanliness and simplicity.
the TIA.



Inspecting blower output in Lagoon #1.